



SYCOAT® 520

Description

Styrene Acrylic Emulsion

Suggested Uses

- Base resin for concrete coatings, clear sealers, and stains
- Base resin for priming fiber cement board

Characteristics

- Excellent water resistance
- Excellent blush resistance
- Great adhesion to concrete
- Good efflorescence resistance
- Forms gels, making it ideal at filling voids in concrete
- Self Crosslinking
- High Gloss
- Formulated coating (below) has great penetrating properties

Typical Physical Properties

Property	Value	
Percent Solids	43 to 45	
Polymer Type	Styrene Acrylic	
Brookfield Viscosity @ 25°C LVT #62 @ 12 rpm (cps.)	≤300	
pH	8.0 to 9.0	
Tg (°C)	23	
MFFT (°C)	34	
Density lbs./gallon @ 25 °C	8.4	
Particle Size (nm)	160	
Gloss	@ 20°	63.3
	@ 60°	90.4
Dispersion Type	Anionic	
Appearance (wet)	Milky White	
Odor	Slight Acrylic	

Typical Performance Properties

Property	Value	
Permeability (perms)	3.1	
Water Absorption (%)	24 hour	6
	7 day	17
Elongation (%)	266	
Tensile Max Force (PSI)	638	

To get the typical film forming performance properties, we suggest adding 8% BPnB (or similar product) coalescing solvent on polymer solids.



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Typical Coating Formula

Material	%
Sycoat 520	87.5
Surfynol 440	0.5
DPNB Glycol Ether	8.9
Benzoflex 50	2.9
Deefo 215	0.2

Description

STI Polymer is the partner of choice for custom formulations and manufacturing of adhesives, paints and coatings. STI Polymer has built a reputation of proven performance, from providing manufacturers of paints and adhesives with the basic functional components of their formulations to producing private labeling of high-quality products for leading global corporations. STI's robust technical foundation and agility to meet the emerging needs, combined with an emphasis on long-term partnerships, drives its customer' successes.

STI Polymer

You drive. We navigate.



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General Properties

Recommended Storage:

Protect from freezing. Recommended storage temperature is 60°F to 80°F (15°C to 25°C). Keep in tightly covered container.

Shelf Life:

Six months from date of manufacture.

Packaging:

One-way drums and totes or bulk shipments available.

DOT Label Required:

This product is not classified as a hazardous product under DOT or OSHA regulations. It does not contain any hazardous components at levels which have implications for labeling under these regulations.

Clean-up:

Soapy water (wet), Solvent (dry)

Material Safety Data Sheet:

Consult all information contained in the material Safety Data sheet for this product.

Because we cannot anticipate nor control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our product should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without warranty, either express or implied, and the buyer assumes all responsibility for loss or damage arising from the handling or use of our products, whether done in accordance with directions or not. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent.